

WHAT IS CLAIMED IS:

1. A method for assuring a quality of a crimp joint on a crimping device, the method comprising:
 - continuously measuring an actual value of a crimp parameter of the crimp joint based on a respective setpoint value of the crimp parameter within a defined upper and lower tolerance value; and
 - effecting a readjustment of a crimp height after the actual value reaches a correction value of the crimp parameter.
2. The method as recited in claim 1 wherein the crimp parameter includes at least one of a crimp height and a crimp force.
3. The method as recited in claim 1 wherein the correction value is a mean value of the measured actual values.
4. The method as recited in claim 1 wherein the correction value corresponds to approximately half of the upper or lower tolerance value.
5. A device for providing a crimp joint, comprising:
 - a movable die part;
 - a stationary die part;
 - a driving connecting rod for moving the moveable die part back and forth in a longitudinal direction, wherein a longitudinal position of the moveable die part with respect to the stationary die part is adjustable;
 - a positioning drive for adjusting the longitudinal position; and
 - a comparative setpoint/actual value regulating system controlling the positioning drive.
6. The device as recited in claim 5 further comprising an actual value sensor disposed on the positioning drive for providing an actual value to the regulating system.

7. The device as recited in claim 5 further comprising an operator control unit for providing a setpoint value to the regulating system.
8. The device as recited in claim 7 wherein the setpoint value corresponds to a crimp force measurement.
9. The device as recited in claim 8 wherein the setpoint value is determined using a force curve during the crimping process.
10. The device as recited in claim 5 further comprising a comparator for storing the setpoint value for the setpoint/actual-value regulating system.
11. The device as recited in claim 5 wherein the positioning drive includes a stepping motor and a gear unit.
12. The device as recited in claims 5 wherein the driving connecting rod includes a hole perpendicular to the longitudinal direction and wherein the positioning drive includes a positioning member disposed in the hole.
13. The device as recited in claim 12 further comprising a comparator and an actual value sensor disposed on the positioning drive, wherein the positioning member includes an eccentric pin having an axis of rotation connected to the actual-value sensor, the actual value sensor transmitting a position value of the eccentric pin to the comparator.
14. The device as recited in claim 12 wherein the eccentric pin has a positioning accuracy of 0.002 mm.
15. The device as recited in claim 5, further comprising a comparator, wherein the actual value of a crimp force curve is measured during a crimping process and compared with a setpoint value defined in the comparator, the positioning drive adjusting the longitudinal position so as to

correct the crimp force curve in a direction of the setpoint value when a deviation between the actual value and the setpoint value occurs.